

Disease Study Guide




I understand the concepts of microorganisms and disease through use and application of my disease vocabulary.

➤ #1-12 Complete the chart below using the words, definitions and examples provided in the BANK.

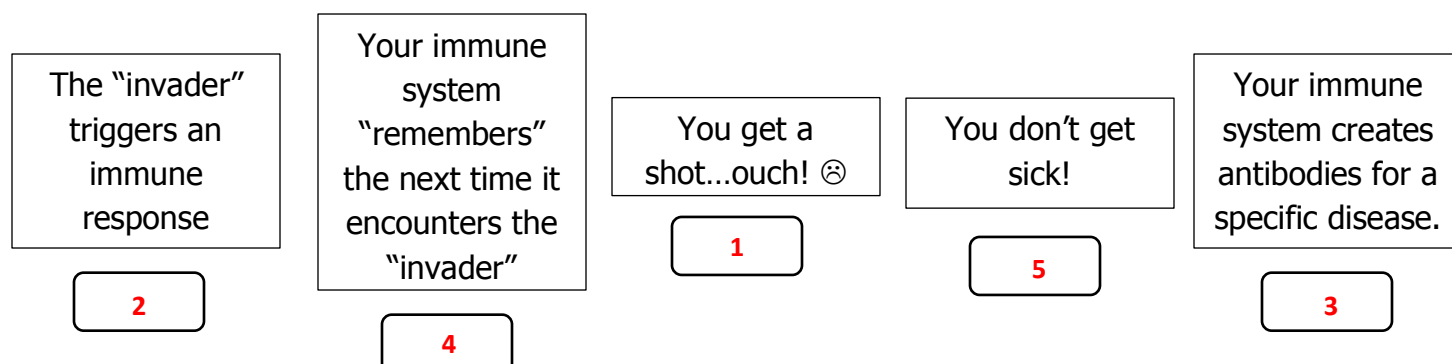
	Vocabulary Word	Definition	Example
1	immune system	body system responsible for prevention and protection against foreign invaders	Macrophages
2	bacteria	single celled (rod, sphere or spiral shaped) microorganisms that can cause disease	strep throat
3	fungi/fungus	multi celled plant-like microorganisms that can cause disease	athlete's foot
4	virus	a nonliving thing that can cause disease	Chicken Pox/flu
5	parasite	an organism that lives off of a host while causing disease	tapeworm
6	antibodies	markers to identify invader for destruction	the secret weapon against the enemy
7	microorganism	a very small living thing	bacteria, viruses, parasite or fungi
8	noninfectious disease	a disease that cannot be spread from person to person	cancer
9	infectious disease	a disease that can be spread from person to person	the common cold
10	antibiotic	medicine given to kill bacteria or prevent them from reproducing	amoxicillin
11	immunity	resistance to a specific disease	usually you will not get the same disease twice
12	vaccine	triggers an immune response to create antibodies and prevent future infection	Chicken Pox/flu

BANK

immune system	fungi/fungus	white blood cells
a nonliving thing that can cause disease	single celled (rod, sphere or spiral shaped) microorganisms that can cause disease	usually you will not get the same disease twice
antibiotic	microorganism	flu
tapeworm	antibodies	bacteria, virus, parasite or fungi
a disease that cannot be spread from person to person	an organism that lives off of a host while causing disease	immunity
a disease that can be spread from person to person	triggers an immune response to create antibodies and prevent future infection	Chicken Pox
markers to identify invaders for destruction	athlete's foot	

 I understand how vaccines and antibiotics work with my immune system to help prevent and treat disease.

- #13-17 Number the following steps (1-5) to put them in order and show how a vaccine works with your immune system.




- #18-20 Fill in the blanks to complete the following statements.

18. The purpose of a vaccine is to **prevent** disease.

19. The purpose of an antibiotic is to **treat** a disease.

20. Antibiotics DO NOT work on **viruses**.

 I understand that the immune system has a specific response to help fight and protect against microorganisms that cause disease.

- #21-25 Complete the chart below using the information in the BANK.

	Immune System Part	Defense Force Position	Job
21	Skin and membranes	First line of defense	Prevent invaders from getting into the body.
22	Macrophages	Second line of defense	Roam the body and engulf invaders that enter.
23	T-Cells	Third line of defense	Destroy diseased cells; Killers
24	B-Cells	Intelligence officers	Create antibodies to tag diseased cells for destruction.
25	Vaccines	Global allies	Used to prevent diseases by causing an immune response to build antibodies.

BANK

Skin and membranes	First line of defense	Macrophages
T-Cells	Global allies	Third line of defense
Intelligence officers	Vaccines	Create antibodies to tag diseased cells for destruction.
Destroy diseased cells; Killers	Used to prevent diseases by causing an immune response to build antibodies.	B-Cells
Second line of defense	Prevent invaders from getting into the body.	Roam the body and engulf invaders that enter.